# UV Visible Spectrophotometer LX109UVS

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## Description

UV Visible Spectrophotometer LX109UVS is a single beam light intensity measuring instrument for microscopic samples. Its Pre-aligned layout makes it convenient to change lamps. It have light source of Deuterium lamp which reduces the effect of stray light during the process. Large LCD display for visual monitoring for the obtained results.

## Specifications

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| **Wavelength Range** | 190-1100nm |
| **Spectral Bandwidth** | 4nm |
| **Optical System** | Single Beam, Grating 1200 lines/mm |
| **Wavelength Accuracy** | ±0.5nm |
| **Wavelength Repeatability** | 0.3nm |
| **Photometric Accuray** | ±0.5%T or ±0.004A@1A |
| **Photometric Range** | 0-200%T, -0.3-3A, 0-9999Conc |
| **Stray Light** | 0.05 % T 220nm, 360nm |
| **Stability** | ±0.001A / h500nm |
| **Display** | Graphic LCD (128*64 dots) |
| **Standard Cell Holder** | 4-position 10mm cell changer |
| **Sample Compartment** | Standard 10mm pathlength cuvette |
| **Light Source** | Tungsten & Deuterium lamp |
| **Output** | USB Port, Printer |
| **Power Requirement** | AC 110/220V 50/60HZ |
| **Dimension(L*W*H)** | 470*373*187 mm |
| **Weight** | 14 Kg |

## Features

- Used for Micro scale sample testing

- Data can be restored after a sudden power cut
- Large LCD screen
- Auto setting wavelength
- Dual platforms for sample analysis in ultra-micro and standard cuvettes
- No light loss in the testing process for accurate readings

## Applications

- Used for qualitative and quantitative measurement of microscopic samples in the research fields of nucleic acids, proteins, bacterial awareness, forensics, biology, and so on.

## Standard Accessories

- 1. User’s manual
- 2. M.Wave Basic software
- 3. Dust cover
- 4. Power cable

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